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12-17-01 A
11/02/01

PTO/SB/05 (03-01)
Approved for use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 04570/0100 31,231

First Inventor Mann

Title Chromatography Column and Method

Express Mail Label No. EF 185 079 987 US

Operation

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
2. Applicant claims small entity status.
See 37 CFR 1.27.
3. Specification [Total Pages 17]
(preferred arrangement set forth below)
 - Descriptive title of the invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings *(if filed)*
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. Drawing(s) (35 U.S.C. 113) [Total Sheets 5]
5. Oath or Declaration [Total Pages 2]
 - a. Newly executed (original or copy)
 - b. Copy from a prior application (37 CFR 1.63 (d))
(for continuation/divisional with Box 18 completed)
 - i. **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. Application Data Sheet. See 37 CFR 1.76

ADDRESS TO: Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission *(if applicable, all necessary)*
 - a. Computer Readable Form (CRF)
 - b. Specification Sequence Listing on:
 - i. CD-ROM or CD-R (2 copies), or
 - ii. paper
 - c. Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. Assignment Papers (cover sheet & document(s))
10. 37 CFR 3.73(b) Statement Power of *(when there is an assignee)* Attorney
11. English Translation Document *(if applicable)*
12. Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS Citations
13. Preliminary Amendment
14. Return Receipt Postcard (MPEP 503) *(Should be specifically itemized)*
15. Certified Copy of Priority Document(s) *(if foreign priority is claimed)*
16. Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. Other:

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

Continuation Divisional Continuation-in-part (CIP)

of prior application No.

Prior application information.

Examiner _____

Group Art Unit.

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

<input checked="" type="checkbox"/> Customer Number or Bar Code Label	03490 <i>(Insert Customer No. or Attach bar code label here)</i>		<input type="checkbox"/> or <input checked="" type="checkbox"/> Correspondence address below
Name	Stephen J. Stark		
Address	Miller & Martin LLP		
	Suite 1000 Volunteer Building; 832 Georgia Avenue		
City	Chattanooga	State	TN
Country	USA	Telephone	423.756.6600
		Zip Code	37402-2289
		Fax	423.785.8480

Name (Print/Type)	Stephen J. Stark	Registration No. (Attorney/Agent)	43,152
Signature	<i>[Handwritten signature]</i>		
	Date	" / 2 / 2001	

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231

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FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision

TOTAL AMOUNT OF PAYMENT (\$ 370)

Complete if Known

Application Number	N/A
Filing Date	Herewith
First Named Inventor	Mann
Examiner Name	
Group Art Unit	
Attorney Docket No.	04570/0100 31,231

METHOD OF PAYMENT

1. The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number **13-3403**
Deposit Account Name **Miller & Martin LLP**

Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17

Applicant claims small entity status. See 37 CFR 1.27

2. Payment Enclosed:

Check Credit card Money Order Other

FEE CALCULATION

1. BASIC FILING FEE

Large Entity	Small Entity
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Fee Code (\$)	Fee Code (\$)	Fee Description
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101	740	201	370	Utility filing fee
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106	330	206	165	Design filing fee
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107	510	207	255	Plant filing fee
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108	740	208	370	Reissue filing fee
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114	160	214	80	Provisional filing fee
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Fee Paid

370

SUBTOTAL (1) (\$ 370)

2. EXTRA CLAIM FEES

Total Claims	Extra Claims	Fee from below	Fee Paid	
20	-20** = 0	x	= 0	
Independent Claims	3	-3** = 0	x	= 0
Multiple Dependent				= 0

Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description
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103	18	203	9	Claims in excess of 20
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102	84	202	42	Independent claims in excess of 3
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104	280	204	140	Multiple dependent claim, if not paid
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109	84	209	42	** Reissue independent claims over original patent
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110	18	210	9	** Reissue claims in excess of 20 and over original patent
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SUBTOTAL (2) (\$ 0)

*or number previously paid, if greater. For Reissues, see above

3. ADDITIONAL FEES

Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code (\$)	Fee Code (\$)		
105	130	205	65
127	50	227	25
139	130	139	130
147	2,520	147	2,520
112	920*	112	920*
113	1,840*	113	1,840*
115	110	215	55
116	400	216	200
117	920	217	460
118	1,440	218	720
128	1,960	228	980
119	320	219	160
120	320	220	160
121	280	221	140
138	1,510	138	1,510
140	110	240	55
141	1,280	241	640
142	1,280	242	640
143	460	243	230
144	620	244	310
122	130	122	130
123	50	123	50
126	180	126	180
581	40	581	40
146	740	246	370
149	740	249	370
179	740	279	370
169	900	169	900
Other fee (specify) _____			
*Reduced by Basic Filing Fee Paid			SUBTOTAL (3) (\$ 0)

SUBMITTED BY

Name (Print/Type)	Stephen J. Stark	Registration No (Attorney/Agent)	43,152	Telephone	423.756.6600
Signature	Date 11/2/2001				

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

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CERTIFICATE OF MAILING BY EXPRESS MAIL -- EF 185 079 987 US

I hereby certify that I am mailing this correspondence as Express Mail utilizing the "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to:

Box PATENT APPLICATION
Assistant Commissioner for Patents
Washington, D.C. 20231

The enclosed items are:

Patent Application (17 pages)
Drawings (5 pages)
Fee Transmittal
Patent Application Transmittal
Declaration
Power of Attorney
Statement Claiming Small Entity Status
Request and Certification Under 35 U.S.C. 122(b)(2)(B)(i)
Check for \$370.00
Return Postcard

Signed: Beverly L. Middleton

November 2, 2001

Date

10/016231-110201

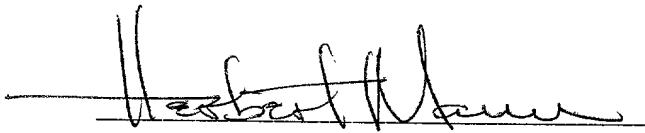
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**REQUEST AND CERTIFICATION
UNDER
35 U.S.C. 122(b)(2)(B)(i)**

First Named Inventor	Mann
Title	Chromatography Column and Method of Operation
Atty Docket Number	04570/0100 31,231

I hereby certify that the invention disclosed in the attached application **has not and will not be the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing**. I hereby request that the attached application not be published under 35 U.S.C. 122(b).

10/25/01
Date


Signature

Herbert Mann

Typed or printed name

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application **upon filing**.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant **must** notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. **Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).**